

MARKED-UP VERSION OF THE AMENDED CLAIMS

(Version with markings to show changes made)

29. (new) The method of contactless measurement according to claim 25 wherein the third parallel light beams are focused onto the second light incidence position resolving sensor (26) with a fourth optical focusing system (25); wherein the fourth parallel light beams are focused onto the first light incidence position resolving sensor (16) with a third optical focusing system (15); wherein the first optical beam splitter is a first semi-permeable mirror (13); wherein the second optical beam splitter is a second semi-permeable mirror (23); and further comprising the steps of:

aligning the first optical focusing and in reverse collimating system (14), the third optical focusing system (15), and the first light incidence position resolving sensor (16) along a first optical axis and wherein the transparent object (1) is disposed in the path of the first optical axis;

aligning the first semi-permeable mirror (13) to be disposed at an angle of 45 degrees relative to a propagating direction of the first parallel light beams and to be disposed at an angle of 45 degrees relative to the first optical axis;

aligning the second optical focusing and in reverse collimating system (24), the fourth optical focusing system (25), and the second light incidence position resolving sensor (26) along a second optical axis and wherein the transparent object (1) is disposed in the path of the second optical axis;

aligning the second semi-permeable mirror (23) to be disposed at an angle of 45 degrees relative to a propagating direction of the second parallel light beams and to be disposed at an angle of 45 degrees relative to the first optical axis; and

aligning the first optical axis and the second optical axis to intersect in an area of the object (1) to be measured.

30. (new) The device of contactless measurement according to claim 27 wherein the first optical beam splitter is a first semi-permeable mirror (13);

wherein the second optical beam splitter is a second semi-permeable mirror (23);
wherein the first optical focusing and in reverse collimating system (14), the third optical focusing system (15), and the first light incidence position resolving sensor (16) are aligned along a first optical axis and wherein the transparent object (1) is disposed in the path of the first optical axis;
wherein the first semi-permeable mirror (13) is aligned to be disposed at an angle of 45 degrees relative to a propagating direction of the first parallel light beams and to be disposed at an angle of 45 degrees relative to the first optical axis;
wherein the second optical focusing and in reverse collimating system (24), the fourth optical focusing system (25), and the second light incidence position resolving sensor (26) are aligned along a second optical axis and wherein the transparent object (1) is disposed in the path of the second optical axis;
wherein the second semi-permeable mirror (23) is aligned to be disposed at an angle of 45 degrees relative to a propagating direction of the second parallel light beams and to be disposed at an angle of 45 degrees relative to the first optical axis; and
wherein the first optical axis and the second optical axis are aligned to intersect in an area of the object (1) to be measured.

REMARKS

Claims 1 through 28 continue to be in the case.

New claims 29 and 30 are being submitted.

New claims 29 and 30 are based on the geometry shown in the Figure.

The Office Action refers to Claim Rejections - 35 USC § 103.

13. Claims 1-8 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Spengler et al (US 5,636,027) in view of Takamasa (JP 58022902) and further in view of what is commonly known in the art.

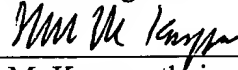
Applicants respectfully submit that the geometry claimed in claims 29 and 30 clearly and patentably distinguishes over the teachings of Spengler and/or Takamasa.

Reconsideration of all outstanding rejections is respectfully requested.

Entry of the present amendment is respectfully requested. All claims as presently submitted are deemed to be in form for allowance and an early notice of allowance is earnestly solicited.

Respectfully submitted,

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